

## ABSTRACT

The present invention relates to a composite fabric having a plurality of substantially parallel, coaxially aligned tow groups, each of the tow groups having one or more tows wherein a portion of the tow groups contain two or more tows, wherein the spacing between tows in a tow group is less than the spacing between adjacent tow groups. The spacing between adjacent tow groups form flow channels which permit resin to flow evenly and quickly through the fabric. This results in shorter processing time and a more consistent resin distribution, decreasing the likelihood of resin starved areas within the cured laminate.